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[Identification of item] Charles H. Irby Papers, M0671, Dept. of Special Collections, Stanford University Libraries, Stanford, Calif.
Scope and Content
Primarily correspondence, memos, working notes and technical reports from work on ARPANET, Control Meta Language, Modular Programming System and software and interface applications while Irby was at SRI International and Xerox Park.
Access Terms
Cotton, Ira.
Deutsch, L. Peter.
Dornbush, Charles F.
Engelbart, Douglas C.
Kelley, Karl Cornell.
Lampson, Butler W.
Liddle, Dave.
Meyer, Ed.
Michener, Jim.
Mitchell, James G.
Paxton, William Hamilton.
Victor, Kenneth E.
Watson, Richard W.
White, James E.
Augmentation Research Center.
Bolt, Beranek and Newman, inc.
National Software Works.
Network Working Group.
SRI International.
University of Southern California. Information Sciences Institute.
Control Meta Language.
Distributed Programming System.
Information storage and retrieval systems.
Modular Programming System.
Operating System Module.
Science--History.
Software engineering.
User interfaces (Computer systems)
ARC
Augmentation Research Center at SRI
ARPA
Advanced Research Projects Agency
BBN
Bolt, Beranek and Newman
CML
Control Meta Language
DPS
Distributed Programming System
MPS
Modular Programming System
NIC
Network Information Center at SRI
NSW
National Software Works
NWG
Network Working Group
OSM
Operating System Module
SRI
Box 1, Folder 1  Invitation to organizational meeting about Management System Technology (MST) from J. Perry and C. Fields. Jan. 21, 1973.

Box 1, Folder 1  CHI. "Display techniques for interactive text manipulation." National Computer Conference, 1974.

Box 1, Folder 1  CHI et. al. "A Command meta language for NLS." June 28, 1974.


Box 1, Folder 2  ANDREWS, Donald I. "Line processor - a device for amplification of display terminal capabilities for text manipulation." National Computer Conference,

   Physical Description: 1974.
   Scope and Content Note
Box 1, Folder 2  VEZZA and HAVERTY. "Informal position paper on management system technology." n.d.
Box 1, Folder 2  Abstract, paper, and formulas about impact of emerging augmentation technology and ARC. Nov. 14, 1973.
Box 1, Folder 3  "Reaction to JLP/CF wish list." Jan. 25, 1974.
Box 1, Folder 3  "Reaction to JPL/CF wish list and ARC/NLS status with respect to it." Jan. 27, 1974.
Box 1, Folder 3  RWW. "Some higher level issues for the MST meeting." Jan. 28, 1974.
Box 1, Folder 3  BRESSLER and THOMAS. "Inter-entity communication - an experiment." Network Working Group, RFC #441, NIC #13773, Distribution to include subgroup NDIG. Jan. 19, 1973.
Box 1, Folder 4  ELLIOT, POTAS, and VANDAM. Unpublished appendix to "Computer-assisted tracing of text evolution." FJCC, 1971.
Box 1, Folder 4  RWW. "Some factors which a network graphics protocol must consider." Network Working Group, RFC #192, NIC #7137, July 12, 1971.
Box 1, Folder 4  Computer program sent to USC-ISIC, Oct. 14, 1975.
Box 1, Folder 4  Computer program. July 21, 1975.
Box 1, Folder 5  "1st rough draft of the Programmers' guide to writing language modules for the debugger." Sept. 2, 1975.
Box 1, Folder 5  E-mail re. NSW debugger. June 19, 1975.
Box 1, Folder 5  E-mail release of Journal document #25056; documentation added to Control Meta Language (CML) to accommodate NSW needs. Apr. 11, 1975.
Box 1, Folder 5  "Extensions to the L10 programming language for the DEC PDP-10 and DEC PDP-11."
Box 1, Folder 5  SCHANTZ, Richard. BBN-TENEX. "Commentary on procedure calling as a network protocol." Network Working Group, RFC #684, NIC #32252, Physical Description: Apr. 15, 1975.
Box 1, Folder 6  CHI. "Command Meta Language -- CML." Oct. 25, 1974.
Box 1, Folder 6  ABBOTT, Russell J. "Command language processor for flexible interface design." Information Automation Project, USC-ISI. n.d.
Box 1, Folder 6  "Workshop on machine independent graphics." Program from ACM-SIGGRAPH/NBS, held at the National Bureau of Standards, Gaithersburg, MD, Apr. 22-23, 1974.
Box 1, Folder 6  Black 3-ring binder
Box 1, Folder 6  Computer program by CHI for USC-ISIB, Nov. 4, 1975.
Box 1, Folder 6  Computer program by CHI for USC-ISIB, Nov. 4, 1975.
Box 1, Folder 6  Computer program by CHI for USC-ISIB, Oct. 21, 1975.
Box 1, Folder 6  Computer program by CHI for USC-ISIB. OSI. Oct. 16, 1975.
Box 1, Folder 6  Computer program by CHI for USC-ISIB. CML. Oct. 16, 1975.
Box 1, Folder 1

Box 1, Folder 1

Box 1, Folder 1

Box 1, Folder 1

Box 2, Folder 1
TNLS-8 Quick reference card. SRI-ARC 1-SEP-74-23753.

Box 2, Folder 1

Box 2, Folder 2

Box 2, Folder 2
"Modular programming." n.d.

   Physical Description: 2 copies.

Box 2, Folder 2
WHP. "What are we looking for from MPS?" June 10, 1971.

Box 2, Folder 2

Box 2, Folder 2
LPD. "Full tilt into the heffalump trap." Apr. 11, 1972.

Box 2, Folder 3

Box 2, Folder 3
WHP. "MPL Datatype facility." May 18, 1972.

Box 2, Folder 3

Box 2, Folder 3
WHP. "What are we looking for from MPS?" June 10, 1971.

Box 2, Folder 3

Box 2, Folder 3

Box 2, Folder 4

   Physical Description: (2 copies)

Box 2, Folder 4
CFD. "One view of modular programming and MPS."

Box 2, Folder 4
WHP. "What are we looking for from MPS?" June 10, 1971.

Box 2, Folder 4

Box 2, Folder 4

   Physical Description: marked copy.

Box 2, Folder 5
LPD. "Control." Memo rec'd by CHI May 18, 1972.

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BWL. "Modular Programming System." n.d.

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Box 2, Folder 5

Box 2, Folder 6
JGM. "Model for MPS processes and environments, MPS 4.0." Xerox-PARC/SRI. May 16, 1972.

   Physical Description: (2 copies)

Box 2, Folder 6
JGM. "Introduction to the Modular Programming System, MPS 2.0." Xerox-PARC/SRI. May 12, 1972.

Box 2, Folder 6

Box 2, Folder 6

Box 2, Folder 7

Box 2, Folder 7

Box 2, Folder 7

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Box 2, Folder 8
| Box 2, Folder 8 | "Towards the design of an online calendar subsystem." rough draft distributed by MJOURNAL. May 20, 1974. |
| Box 2, Folder 8 | LYNCH. "TENEX system tuning parameters." Mar. 8, 1975. |
| Box 2, Folder 8 | CLEMENTS, R. BBN. "TENEX extensions for paged files." NWG/RFC #683, NIC #32251, Apr. 3, 1975. |
| Box 2, Folder 10 | Collection of papers representing the design documents for the distributed TENEX system on the ARPANET. Nov. 8, 1972. |
| Box 2, Folder 11 | CFD. "Sample use of uniform referent capabilities in MPS." May 18, 1973. |
| Box 2, Folder 12 | McCARTHY, John. SU-AI. "Arbitrary character sets." NWG/RFC #373, NIC #11058. |
| Box 2, Folder 12 | BRUNON, Joseph. "Group dynamics and visual thinking." |
| Box 2, Folder 13 | DOCMPS. July 18, 1973. |
| Box 2, Folder 13 | BWL, JGM, and Satterwhite, Xerox PARC. "On the transfer of control between contexts." n.d. |
| Box 2, Folder 13 | "MPS debugger." first draft. n.d. |

**Physical Description:** Red 3-ring binder
Box 3, Folder 3  "Notes on Thomas' Proposed network graphics protocol."
Box 3, Folder 3  "Summary of Display Primitives as of 1 Apr 72 (not a complete set)." DPRIM.
Box 3, Folder 3  DCE. SRI. "Augmenting human intellect: a conceptual framework." AFOSR-3223.
Box 4, Folder 1  "Resource Sharing, the ARPANET's goal." First draft. Sept. 25, 1975.
Box 4, Folder 4  RETZ, David L. "Overview of the ELF operating system." n.d.
Box 4, Folder 4  Computer program. June 2, 1975.
Box 4, Folder 4  Computer program. Nov. 6, 1975.
Box 4, Folder 4  EKM. "Description of Form System proposal." May 24, 1974.
Box 4, Folder 4  Computer program: procedures to perform externally callable display functions in the NSW frontend, definition of display data structure. Sept. 18, 1975.
Box 4, Folder 4  Computer program. PCPB8 - Data structure encoding." Sept. 8, 1975.
Box 4, Folder 5  Notes on PCPB8 data structures... Sept. 17, 1975.
Box 4, Folder 5  "Frontend status as of 9-Jun-75." June 9, 1975.
Box 4, Folder 5  RWW. "Standard NSW frontend control functions." Journal doc. #25495. May 9, 1975.
Box 4, Folder 5  "Network UNIX." NWG/rfc #681, NIC #32157, May 14, 1975.
Box 4, Folder 6  "Frontend status as of 9-Jun-75." June 9, 1975.
Box 4, Folder 6  RWW. "Standard NSW frontend control functions." Journal doc. #25495. May 9, 1975.
Box 4, Folder 6  "Network UNIX." NWG/rfc #681, NIC #32157, May 14, 1975.
Box 4, Folder 6  RWW. "Estimate of PDP 11 Core Usage and issues it raises." July 8, 1975.
Box 4, Folder 6  Breakdown of the address space used by the CLI on the PDP-10. Journal doc. #26144. Aug. 5, 1975.
| Box 4, Folder 7 | Description of use of NSW. June 30, 1975. |
| Box 4, Folder 7 | "Notes about running standalone L10 programs. Apr. 17, 1975. |
| Box 5, Folder 1 | DCE. "Summary list of unique developments and contributions by ARC." Oct. 9, 1972. |
| Box 5, Folder 1 | RIDDLE, Liz. AFDSIC. "Comparative study of editing and runoff systems." n.d. |
| Box 5, Folder 1 | RITCHIE and THOMPSON. Bell Labs. "UNIX time-sharing system." n.d. |
| Box 5, Folder 1 | USC/ISI. "Video Display requirements." n.d. |
| Box 5, Folder 1 | WHP. "MPS segmentation system overview." Feb. 4, 1972. |
| Box 5, Folder 2 | BWL. "MPS." n.d. |
| Box 5, Folder 3 | "Towards the design of an information management system." Journal doc. #17394. June, 21,1973. |
| Box 5, Folder 3 | POPEK and KLINE. UCLA Computer Science Dept. "Veritable Secure Operating System Software." Published in AFIPS conference proceedings, Vol. 43, 1974. |
| Box 5, Folder 3 | LPD. "WYLBUR and TENEX from another viewpoint." Journal doc. #9919. Apr. 20, 1972. |
| Box 5, Folder 3 | WHP. Evolving design to allow command backup in NLS. Feb. 22, 1972. |
| Box 5, Folder 3 | Computer program. Nov. 12, 1975. |
| Box 5, Folder 3 | Computer program. Nov. 12, 1975. |
| Box 5, Folder 3 | Computer program. Nov. 12, 1975. |
| Box 5, Folder 3 | Computer program. Nov. 12, 1975. |
| Box 5, Folder 3 | Computer program. Nov. 12, 1975. |
| Box 5, Folder 5 | DCE. Notes on back-delete operations. Aug. 28, 1975. |
| Box 5, Folder 5 | ALLEN, ASHCROFT, and FLORENTIN. "Inferences from formal language definitions." n.d. |
| Box 5, Folder 5 | BURGE. IBM. "Functions for Parsing." n.d. |
| Box 5, Folder 5 | WEGNER. "Notes for a lecture on 'Theories of Semantics." Symposium on Programming Languages Definition, San Francisco, August, 1969. |
| Box 5, Folder 7 | BEALS, LaFRANCE, NORTHCOTE. "Automatic generation of Floyd Production Production Syntactic Analyzers." n.d. |
| Box 5, Folder 7 | SCHNEIDER. "Some syntactic methods for specifying extendible programming languages." |
| Box 5, Folder 7 | McGOWEN. "On the equivalence of mechanical evaluation strategies." n.d. |
| Box 5, Folder 7 | PRATT. "Semantic modeling by hierarchical graphs." July 1969. |
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| Box 5, Folder 8 | WHITNEY and MOOERS. "Formal definition of the scan algorithm of the TRAC T-64 language." July 1969. |
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| Box 6, Folder 1 | "MPS free storage package." Jan. 2, 1974. |
Box 6, Folder 2 JGM and Satterthwaite. Xerox-PARC/SRI. "Debugger meetings and specifications." Sept. 4, 1972.
Box 6, Folder 2 "MPS segmentation machinery." n.d.
Box 6, Folder 2 MPS debugger documentation. Feb. 25, 1974.
Box 6, Folder 2 Suggestion for organization of NLS software people. Dec. 29, 1971.
Box 6, Folder 3 CML documentation. Nov. 21, 1973.
Box 6, Folder 3 "Modular Programming Language (MPL)." n.d.
Box 6, Folder 3 Computer program: procedures to perform externally callable display functions in the NSW frontend, definition of display data structure. Sept. 18, 1975.
Box 6, Folder 6 WHITE. SRI-ARC. "Procedure call protocol, version two." Nov. 22, 1974.
Box 6, Folder 7 SRI-ARC. "Format library." SRI ARC 25764. Mar. 6, 1975.
Box 6, Folder 7 Window user interface documentation. Jan. 28, 1976.
Box 6, Folder 7 RWW. "Comments on strategies to support an integrated SPF." July 25, 1973.
Box 6, Folder 7 "Online team environment." SRI-ARC plans. June 8, 1972.
Box 6, Folder 7 Announcement for meeting about short-term military use of software.
Box 6, Folder 7 Meeting notes for FORUM conference for the Software Production Facility group.
Box 6, Folder 7 Network Graphics Group folder:
Box 6, Folder 7 Letter to JGM, PADLIPSKY from E. Harslam, RAND Corp., re. graphics programs over network.
Box 6, Folder 7 COTTON. "Network graphic attention-handling." Apr. 5, 1972.
Box 6, Folder 7 LPD. Xerox-PARC. "DEC PDP-10 -- IMLAC communucation system." RFC #190, NIC #7135, July 13, 1971.
Box 6, Folder 7 PELTAN. Mit-Project MAC. "Hardware status of the MIT MAC - DM/CG/CN IMLAC displays." Aug. 16, 1971.
Box 6, Folder 7 MOORER. "DPY - a device independent graphics package." SU-AI. Operating note No. 63. Nov. 12, 1970.
Box 6, Folder 7 BAUMGART. "GEOMED - a geometric editor."
Box 6, Folder 7 Memo re. "graphics hardware, software, and representations currently in use at SU-AI..." n.d.
Box 6, Folder 5 JGM. "Muddle graphics." June 1971.
Box 6, Folder 5 Network graphics meeting. Schedule of events.
Box 6, Folder 5 CROCKER. "Proposal for a network standard format for a data stream to control graphics display." NWG/RFC #86, NIC 5631, Jan. 5, 1971.
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**Box 7, Folder 5**
- **McCONNELL.** "Response to RFC #86, Proposal for network standard format for a graphics data stream." NWG/RFC #125, NIC #5841. Apr. 18, 1971.
- **McCONNELL.** NWG/RFC #126, NIC #5842. Apr. 18, 1971.
- **McCONNELL.** "Device independent graphic display description." NWG/RFC #177, NIC #7102. June 15, 1971.
- **Postel and CERF.** "UCLA-Computer science graphics overview." NWG/RFC #175, NIC #6852. June 8, 1971.
- **McCONNELL.** "Device independent graphic display description." NWG/RFC #177, NIC #7102. June 15, 1971.
- **Postel and CERF.** "UCLA-Computer science graphics overview." NWG/RFC #175, NIC #6852. June 8, 1971.

**Box 7, Folder 6**
- **ANDREWS, LEHTMAN, and WHP.** "Tree Meta -- a metacompiler for the Augmentation Research Center." Preliminary draft.

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- **FAIRBAIRN.** "Terminal system/character generator interfaces." Inter-office memo, Xerox-PARC. April 4, 1972.
- **"Experimental character generator." c1971.**
- **BWL, JGM, and Satterthwaite.** "Abstract for 'On the transfer of control between context.'" n.d.
- **"Notes about running standalone L|0 programs." Oct. 11, 1972.**
- **"CML final report." Feb. 25, 1975.**
- **"TENEX NCP Finite state machine for connections." TENEX memo no. 155. RFC #689, NIC #32656, May 23, 1975.**
- **"Appendix C" to unknown document. p. C - 1-9.**
- **"ISI Video terminal system software proposal." Draft.**

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**Physical Description:** 25 March, 1971.
| Box 7, Folder 11 | "Preliminary design of new NLS file system..." Dec. 29, 1971. |
| Box 7, Folder 12 | "Preliminary design of new NLS file system which allows backlinks, comments, archiving, and serves as a base for implementing sets." Jan. 20, 1972. |
| Box 7, Folder 12 | "Statement property lists." An approach to provide a property list data structure with each statement in an NLS file. June 1, 1971. |
| Box 7, Folder 12 | WHP. "Basic file system." Mar. 2, 1972. |
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| Box 7, Folder 13 | LPD and BWL. "Input protocol." Inter-office memo, XeroxPARC, July 5, 1972. |
| Box 7, Folder 13 | LPD and BWL. "Design notes for video terminal display (VTS) display software." Inter-office memo, Xerox-PARC, May 25, 1972. |
| Box 7, Folder 13 | DUVALL. Memo describing the user characteristics of the VTS. June 19, 1972. |
| Box 8, Folder 1 | SRI Intercom. no. 251 (Apr. 11, 1975). |
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| Box 8, Folder 2 | "Thinking man's computer may revolutionize job habits." SRI Reprints of selected news items. no. 10-1972. |
| Box 8, Folder 3 | ANDREWS, CHI, POGGOI, RWW. SRI-ARC. "User interface system for a computer network marketplace." Nov. 15, 1976. |
| Box 8, Folder 5 | ANDREWS, BOLI, POGGIO. SRI-ARC. "Introduction to the frontend." Jan. 5, 1977. |
| Box 8, Folder 5 | CHI, CFD, KEV. "Command meta language for NLS." June 28, 1974. |
| Box 8, Folder 5 | CHI. SRI-ARC. "Command Language System." |
| Box 8, Folder 5 | Physical Description: (8 copies) |
| Box 8, Folder 5 | Black binder marked “TENEX” |
| Box 8, Folder 5 | "JSYS 400, Section 9." Downloaded May 1974. |
| Box 9, Folder 3 | Physical Description: (2 copies) |
| Box 9, Folder 3 | TNLS-8 Quick Reference. SRI-ARC. Sept. 1, 1974. |

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